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OM protein - protein search, using sw model

Run on: March 28, 2003, 12:09:01 ; Search time 4.37227 Seconds  
(without alignments)  
1463.971 Million cell updates/sec

Title: US-09-924-946-6

Perfect score: 598

Sequence: 1 VRLAGRIPEEGLEVVQVEV.....HGPHCHSGGRFLAGVSCM 109

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 237916 seqs, 58723674 residues

Total number of hits satisfying chosen parameters: 237916

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:\*  
1: /cgn2\_6/prodata/1/pubpaa/US08\_NEW\_PUB pep.\*  
2: /cgn2\_6/prodata/1/pubpaa/PCR\_NEW\_PUB pep.\*  
3: /cgn2\_6/prodata/1/pubpaa/US06\_NEW\_PUB pep.\*  
4: /cgn2\_6/prodata/1/pubpaa/US06\_PUBCOMB pep.\*  
5: /cgn2\_6/prodata/1/pubpaa/US07\_NEW\_PUB pep.\*  
6: /cgn2\_6/prodata/1/pubpaa/US07\_PUBCOMB pep.\*  
7: /cgn2\_6/prodata/1/pubpaa/PCRUS\_PUBCOMB pep.\*  
8: /cgn2\_6/prodata/1/pubpaa/US08\_PUBCOMB pep.\*  
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13: /cgn2\_6/prodata/1/pubpaa/US60\_NEW\_PUB pep.\*  
14: /cgn2\_6/prodata/1/pubpaa/US60\_PUBCOMB pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	598	100.0	109	12	US-09-924-946-6 Sequence 6, Appl
2	598	100.0	443	10	US-10-067-422-27 Sequence 27, Appl
3	598	100.0	573	12	US-10-067-422-10 Sequence 10, Appl
4	598	100.0	756	10	US-09-870-110-2 Sequence 2, Appl
5	598	100.0	756	10	US-09-924-946-2 Sequence 2, Appl
6	500	83.6	757	10	US-09-823-038A-52 Sequence 52, Appl
7	335.5	56.1	774	9	US-09-974-298-122 Sequence 122, Appl
8	335.5	56.1	774	10	US-09-782-980-16 Sequence 16, Appl
9	335.5	56.1	774	10	US-09-909-743-7 Sequence 7, Appl
10	323	54.0	608	10	US-09-835-996A-31 Sequence 31, Appl
11	323	54.0	732	10	US-09-835-996A-13 Sequence 13, Appl
12	323	54.0	753	10	US-09-782-980-11 Sequence 11, Appl
13	323	54.0	753	10	US-09-835-996A-29 Sequence 29, Appl
14	323	54.0	753	10	US-09-909-743-2 Sequence 2, Appl
15	323	54.0	769	10	US-09-835-996A-39 Sequence 39, Appl
16	315	52.7	754	10	US-09-782-980-17 Sequence 17, Appl
17	315	52.7	754	10	US-09-909-743-8 Sequence 8, Appl
18	309	51.7	641	9	US-09-948-820-51 Sequence 51, Appl
19	288	48.2	51	12	US-10-067-422-24 Sequence 24, Appl

20	208	34.8	51	12	US-10-067-422-25	Sequence 25, Appl
21	184	30.8	822	9	US-09-147-947-6	Sequence 6, Appl
22	176.5	29.5	347	9	US-09-905-291A-148	Sequence 148, App
23	176.5	29.5	347	9	US-09-902-853-148	Sequence 148, App
24	176.5	29.5	347	9	US-09-907-824-148	Sequence 148, App
25	176.5	29.5	347	9	US-09-907-841-148	Sequence 148, App
26	176.5	29.5	347	9	US-09-904-011-148	Sequence 148, App
27	176.5	29.5	347	9	US-09-906-742-148	Sequence 148, App
28	176.5	29.5	347	9	US-09-906-838-148	Sequence 148, App
29	176.5	29.5	347	9	US-09-907-613-148	Sequence 148, App
30	176.5	29.5	347	9	US-09-907-942-148	Sequence 148, App
31	176.5	29.5	347	9	US-10-227-884-114	Sequence 114, App
32	176.5	29.5	347	9	US-09-904-820-148	Sequence 148, App
33	176.5	29.5	347	9	US-09-904-859-148	Sequence 148, App
34	176.5	29.5	347	9	US-09-909-204-148	Sequence 148, App
35	176.5	29.5	347	9	US-10-230-163-114	Sequence 114, App
36	176.5	29.5	347	9	US-09-904-786-148	Sequence 148, App
37	176.5	29.5	347	9	US-09-906-646-148	Sequence 148, App
38	176.5	29.5	347	9	US-09-906-700-148	Sequence 148, App
39	176.5	29.5	347	9	US-09-902-903-148	Sequence 148, App
40	176.5	29.5	347	9	US-09-903-749A-148	Sequence 148, App
41	176.5	29.5	347	9	US-09-903-786-148	Sequence 148, App
42	176.5	29.5	347	9	US-10-218-631-114	Sequence 114, App
43	176.5	29.5	347	9	US-10-230-338-114	Sequence 114, App
44	176.5	29.5	347	9	US-09-902-736-148	Sequence 148, App
45	176.5	29.5	347	9	US-09-904-119-148	Sequence 148, App

#### ALIGNMENTS

##### RESULT 1

US-09-924-946-6  
; Sequence 6, Application US/09924946  
; Patent No. US20020102645A1  
; GENERAL INFORMATION:  
; APPLICANT: American Home Products Corporation  
; APPLICANT: Evans, Mark  
; APPLICANT: Scicchitano, Marshall  
; APPLICANT: Bapat, Ashok  
; APPLICANT: Beer, Eric  
; APPLICANT: Bhat, Ramesh  
; APPLICANT: Ferris, Elissa  
; APPLICANT: Mastroeni, Rob  
; APPLICANT: Zhang, Jianxiong  
; APPLICANT: Karathanasis, Sotirios K.  
; TITLE OF INVENTION: A No. US20020102645A1e1 Member of the Lysyl Oxidase Gene Family  
; FILE REFERENCE: 0630/IG703-US2  
; CURRENT APPLICATION NUMBER: US/09/924,946  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: 60/223,763  
; PRIOR FILING DATE: 2000-08-08  
; PRIOR APPLICATION NUMBER: 60/255,838  
; PRIOR FILING DATE: 2000-12-15  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 6  
; LENGTH: 109  
; TYPE: PRT  
; ORGANISM: Human  
US-09-924-946-6

Query Match 100.0%; Score 598; DB 10; Length 109;  
Best Local Similarity 100.0%; Pred. No. 3.1e-57;  
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VRLAGRIPEEGLEVVQVEVGVPRMGVSCSENWGLTEAMVACRQLGLGFALHAYKETWF 60

Db 1 VRLAGRIPEEGLEVVQVEVGVPRMGVSCSENWGLTEAMVACRQLGLGFALHAYKETWF 60

QY 61 WSGTPRAQVWVMSGVRCSTELALQCCQRHGPVHCSHGGRFLAGVSCM 109

Db 61 WSGTPRAQVWVMSGVRCSTELALQCCQRHGPVHCSHGGRFLAGVSCM 109

## RESULT 2

US-10-067-422-27  
; Sequence 27, Application US/10067422  
; Patent No. US20020143170A1  
; GENERAL INFORMATION:  
; APPLICANT: Ni et al.  
; TITLE OF INVENTION: Bone Morphogenic Protein (BMP) Polynucleotides, Polypeptides, and  
; FILE REFERENCE: PT004P1  
; CURRENT APPLICATION NUMBER: US/10/067,422  
; PRIOR FILING DATE: 2002-02-07  
; PRIOR APPLICATION NUMBER: 09/685,899  
; PRIOR FILING DATE: 2000-10-11  
; PRIOR APPLICATION NUMBER: PCT/US00/09028  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: 60/152,933  
; PRIOR FILING DATE: 1999-09-09  
; PRIOR APPLICATION NUMBER: 60/147,020  
; PRIOR FILING DATE: 1999-08-03  
; PRIOR APPLICATION NUMBER: 60/131,672  
; PRIOR FILING DATE: 1999-04-29  
; PRIOR APPLICATION NUMBER: 60/130,693  
; PRIOR FILING DATE: 1999-04-23  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: Patent in Ver. 2.0  
; SEQ ID NO 27  
; LENGTH: 443  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-067-422-27

Query Match 100.0%; Score 598; DB 12; Length 443;  
Best Local Similarity 100.0%; Pred. No. 1.5e-56;  
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VRLAGGRIPPEGLLEVVGVNGVPRWGSVCSENWGLTEAMVACRQLGLGFPAIHAYKETWF 60  
DB 290 VRLAGGRIPPEGLLEVVGVNGVPRWGSVCSENWGLTEAMVACRQLGLGFPAIHAYKETWF 349  
QY 61 WSGTPRAQEVVMSGVRCSTGTELALQQCORHGPVHCSSHGGRFLAGVSCM 109  
DB 350 WSGTPRAQEVVMSGVRCSTGTELALQQCORHGPVHCSSHGGRFLAGVSCM 398

## RESULT 3

US-10-067-422-10  
; Sequence 10, Application US/10067422  
; Patent No. US20020143170A1  
; GENERAL INFORMATION:  
; APPLICANT: Ni et al.  
; TITLE OF INVENTION: Bone Morphogenic Protein (BMP) Polynucleotides, Polypeptides, and  
; FILE REFERENCE: PT004P1  
; CURRENT APPLICATION NUMBER: US/10/067,422  
; PRIOR FILING DATE: 2002-02-07  
; PRIOR APPLICATION NUMBER: 09/685,899  
; PRIOR FILING DATE: 2000-10-11  
; PRIOR APPLICATION NUMBER: PCT/US00/09028  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: 60/152,933  
; PRIOR FILING DATE: 1999-09-09  
; PRIOR APPLICATION NUMBER: 60/147,020  
; PRIOR FILING DATE: 1999-08-03  
; PRIOR APPLICATION NUMBER: 60/131,672  
; PRIOR FILING DATE: 1999-04-29  
; PRIOR APPLICATION NUMBER: 60/130,693  
; PRIOR FILING DATE: 1999-04-23  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: Patent in Ver. 2.0  
; SEQ ID NO 10  
; LENGTH: 573

; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-067-422-10

Query Match 100.0%; Score 598; DB 12; Length 573;  
Best Local Similarity 100.0%; Pred. No. 2e-56;  
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VRLAGGRIPPEGLLEVVGVNGVPRWGSVCSENWGLTEAMVACRQLGLGFPAIHAYKETWF 60  
DB 420 VRLAGGRIPPEGLLEVVGVNGVPRWGSVCSENWGLTEAMVACRQLGLGFPAIHAYKETWF 479  
QY 61 WSGTPRAQEVVMSGVRCSTGTELALQQCORHGPVHCSSHGGRFLAGVSCM 109  
DB 480 WSGTPRAQEVVMSGVRCSTGTELALQQCORHGPVHCSSHGGRFLAGVSCM 528

## RESULT 4

US-09-870-110-2  
; Sequence 2, Application US/09870110  
; Patent No. US20020068322A1  
; GENERAL INFORMATION:  
; APPLICANT: Rachel Meyers  
; TITLE OF INVENTION: 47765, A No. US20020068322A1el Human Lysyl Oxidase and  
; FILE REFERENCE: MNI-160  
; CURRENT APPLICATION NUMBER: US/09/870,110  
; PRIOR FILING DATE: 2001-05-29  
; PRIOR APPLICATION NUMBER: 60/207,650  
; PRIOR FILING DATE: 2000-05-26  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 756  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-870-110-2

Query Match 100.0%; Score 598; DB 10; Length 756;  
Best Local Similarity 100.0%; Pred. No. 2.7e-56;  
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VRLAGGRIPPEGLLEVVGVNGVPRWGSVCSENWGLTEAMVACRQLGLGFPAIHAYKETWF 60  
DB 421 VRLAGGRIPPEGLLEVVGVNGVPRWGSVCSENWGLTEAMVACRQLGLGFPAIHAYKETWF 480  
QY 61 WSGTPRAQEVVMSGVRCSTGTELALQQCORHGPVHCSSHGGRFLAGVSCM 109  
DB 481 WSGTPRAQEVVMSGVRCSTGTELALQQCORHGPVHCSSHGGRFLAGVSCM 529

## RESULT 5

US-09-924-946-2  
; Sequence 2, Application US/09924946  
; Patent No. US20020102645A1  
; GENERAL INFORMATION:  
; APPLICANT: American Home Products Corporation  
; APPLICANT: Evans, Mark  
; APPLICANT: Sciochitano, Marshall  
; APPLICANT: Rapat, Ashok  
; APPLICANT: Beer, Eric  
; APPLICANT: Bhat, Ramesh  
; APPLICANT: Ferris, Elissa  
; APPLICANT: Mastroeni, Rob  
; APPLICANT: Zhang, Jianxiong  
; APPLICANT: Karathanasis, Sotirios K.  
; TITLE OF INVENTION: A No. US20020102645A1el Member of the Lysyl Oxidase Gene Family  
; FILE REFERENCE: 0630/1G703-US2  
; CURRENT APPLICATION NUMBER: US/09/924,946  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: 60/223,763  
; PRIOR FILING DATE: 2000-08-08  
; PRIOR APPLICATION NUMBER: 60/255,838

; PRIOR FILING DATE: 2000-12-15  
; NUMBER OF SEQ ID NOS: 11  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 2  
; LENGTH: 756  
; TYPE: PRT  
; ORGANISM: Human  
; US-09-924-946-2

Query Match 100.0%; Score 598; DB 10; Length 756;  
Best Local Similarity 100.0%; Pred. No. 2.7e-56;  
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VRLAGGRIPREGLEVVQVGVNPGVPRWGVCSNKGLTETAMVACRQLGLGFALHAYKETWF 60  
DB 421 VRLAGGRIPREGLEVVQVGVNPGVPRWGVCSNKGLTETAMVACRQLGLGFALHAYKETWF 480  
QY 61 WSGTPRAQEVVMVSGVRCSTGTELALQQCORHGPVHCCHGGGRFLAGVSCM 109  
DB 481 WSGTPRAQEVVMVSGVRCSTGTELALQQCORHGPVHCCHGGGRFLAGVSCM 529

RESULT 6

US-09-823-038A-52  
; Sequence 52, Application US/09823038A  
; Patent No. US20020058335A1  
; GENERAL INFORMATION:  
; APPLICANT: Strachan, Lorna  
; APPLICANT: Sleeman, Matthew  
; APPLICANT: Abernethy, Nevin  
; APPLICANT: Onrust, Rene  
; APPLICANT: Kumble, Anand  
; APPLICANT: Murison, Greg  
; TITLE OF INVENTION: Compositions Isolated From Stromal Cells  
; FILE REFERENCE: 11000.1337C3  
; CURRENT APPLICATION NUMBER: US/09/823.038A  
; CURRENT FILING DATE: 2001-07-09  
; NUMBER OF SEQ ID NOS: 61  
; SOFTWARE: Fast-Seq for Windows Version 4.0  
; SEQ ID NO 52  
; LENGTH: 757  
; TYPE: PRT  
; ORGANISM: Mouse  
; US-09-823-038A-52

Query Match 83.6%; Score 500; DB 10; Length 757;  
Best Local Similarity 81.7%; Pred. No. 9.3e-46;  
Matches 89; Conservative 10; Mismatches 10; Indels 0; Gaps 0;

QY 1 VRLAGGRIPREGLEVVQVGVNPGVPRWGVCSNKGLTETAMVACRQLGLGFALHAYKETWF 60  
DB 422 VRLAGGRIPREGLEVVQVGVNPGVPRWGVCSNKGLTETAMVACRQLGLGFALHAYKETWF 481  
QY 61 WSGTPRAQEVVMVSGVRCSTGTELALQQCORHGPVHCCHGGGRFLAGVSCM 109  
DB 482 WSGTPRAQEVVMVSGVRCSTGTELALQQCORHGPVHCCHGGGRFLAGVSCM 530

RESULT 7

US-09-974-298-122  
; Sequence 122, Application US/09974298  
; Patent No. US20020156263A1  
; GENERAL INFORMATION:  
; APPLICANT: Chen, Hui-Mei  
; TITLE OF INVENTION: GENES EXPRESSED IN BREAST CANCER  
; FILE REFERENCE: PA-0037 P  
; CURRENT APPLICATION NUMBER: US/09/974.298  
; CURRENT FILING DATE: 2001-10-04  
; PRIOR APPLICATION NUMBER: 60/238.331  
; PRIOR FILING DATE: 2000-05-10  
; NUMBER OF SEQ ID NOS: 194  
; SOFTWARE: PERL Program

; SEQ ID NO 122  
; LENGTH: 774  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. US20020156263A1 2161632CD1  
; US-09-974-298-122

Query Match 56.1%; Score 335.5; DB 9; Length 774;  
Best Local Similarity 57.8%; Pred. No. 4.6e-28;  
Matches 63; Conservative 16; Mismatches 29; Indels 1; Gaps 1;

QY 1 VRLAGGRIPREGLEVVQVGVNPGVPRWGVCSNKGLTETAMVACRQLGLGFALHAYKETWF 60  
DB 435 LRLNGRNPREGLEVVQVGVNPGVPRWGVCSNKGLTETAMVACRQLGLGFALHAYKETWF 494  
QY 61 WSGTPRAQEVVMVSGVRCSTGTELALQQCORHGPVHCCHGGGRFLAGVSCM 108  
DB 495 WSGTPRAQEVVMVSGVRCSTGTELALQQCORHGPVHCCHGGGRFLAGVSCM 543

RESULT 8

US-09-782-980-15  
; Sequence 16, Application US/09782980  
; Patent No. US20020072089A1  
; GENERAL INFORMATION:  
; APPLICANT: Khodadoust, Mehran M.  
; APPLICANT: MacBeth, Kyle J.  
; APPLICANT: Busfield, Samantha J.  
; APPLICANT: McCarthy, Sean A.  
; APPLICANT: Holtzman, Douglas A.  
; APPLICANT: Gu, Wei  
; APPLICANT: White, David  
; APPLICANT: Pan, Yang  
; TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIPE, TRASH, BDSF, LRSG, AND  
; TITLE OF INVENTION: STMT PROTEIN AND NUCLEIC ACID MOLECULES AND USES  
; TITLE OF INVENTION: THEREFOR  
; FILE REFERENCE: MNI-121CP  
; CURRENT APPLICATION NUMBER: US/09/782.980  
; CURRENT FILING DATE: 2001-02-13  
; PRIOR APPLICATION NUMBER: PCT/US00/02125  
; PRIOR FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: 09/448,076  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: 09/276,400  
; PRIOR FILING DATE: 1999-03-25  
; PRIOR APPLICATION NUMBER: 60/117,580  
; PRIOR FILING DATE: 1999-01-27  
; PRIOR APPLICATION NUMBER: 09/014,195  
; PRIOR FILING DATE: 1998-01-27  
; PRIOR APPLICATION NUMBER: 09/014,348  
; PRIOR FILING DATE: 1998-01-27  
; PRIOR APPLICATION NUMBER: 09/086,892  
; PRIOR FILING DATE: 1998-05-29  
; PRIOR APPLICATION NUMBER: 09/296,208  
; PRIOR FILING DATE: 1999-04-21  
; PRIOR APPLICATION NUMBER: 09/063,950  
; PRIOR FILING DATE: 1998-04-21  
; PRIOR APPLICATION NUMBER: 09/561,381  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: 09/561,810  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: 09/087,121  
; PRIOR FILING DATE: 1998-05-29  
; PRIOR APPLICATION NUMBER: 09/672,721  
; PRIOR FILING DATE: 2000-09-28  
; PRIOR APPLICATION NUMBER: 09/049,799  
; PRIOR FILING DATE: 1998-03-27  
; NUMBER OF SEQ ID NOS: 176  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 16  
; LENGTH: 774

; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-782-980-16

Query Match 56.1%; Score 335.5; DB 10; Length 774;  
Best Local Similarity 57.8%; Pred. No. 4.6e-28;  
Matches 63; Conservative 16; Mismatches 29; Indels 1; Gaps 1;  
  
QY 1 VRLAGRIPEGLLEVOVGVNPGVSCSNWGLTEAMVACRQLGLGFHAYKETWF 60  
Db 435 LRLNGGRNPVEGRVETLVERNGSLVGMVCCQNGWIVEMVVCRLGLGFASNAFOETWY 494  
  
QY 61 WSGTPRAQEVVMGVCSCGTETALQCCORHG-PVHCSHGGRFLAGVSC 108  
Db 495 WHGDVNSKNVMSGVKSCGTETSLAHCRHDGEDVACPGGVQGVAGVAC 543

## RESULT 9

US-09-909-743-7  
; Sequence 7, Application US/09909743  
; Patent No. US20020151007A1  
; GENERAL INFORMATION:  
; APPLICANT: Khodadoust, Mehran et al.  
; TITLE OF INVENTION: METHODS OF USE OF A NOVEL LYSYL OXIDASE-RELATED  
; TITLE OF INVENTION: PROTEIN  
; FILE REFERENCE: WNI-073CP  
; CURRENT APPLICATION NUMBER: US/09/909,743  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/446,076  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/276,400  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-25  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 7  
; LENGTH: 774  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-909-743-7

Query Match 56.1%; Score 335.5; DB 10; Length 774;  
Best Local Similarity 57.8%; Pred. No. 4.6e-28;  
Matches 63; Conservative 16; Mismatches 29; Indels 1; Gaps 1;  
  
QY 1 VRLAGRIPEGLLEVOVGVNPGVSCSNWGLTEAMVACRQLGLGFHAYKETWF 60  
Db 435 LRLNGGRNPVEGRVETLVERNGSLVGMVCCQNGWIVEMVVCRLGLGFASNAFOETWY 494  
  
QY 61 WSGTPRAQEVVMGVCSCGTETALQCCORHG-PVHCSHGGRFLAGVSC 108  
Db 495 WHGDVNSKNVMSGVKSCGTETSLAHCRHDGEDVACPGGVQGVAGVAC 543

## RESULT 10

US-09-835-996A-31  
; Sequence 31, Application US/09835996A  
; Patent No. US20020142953A1  
; GENERAL INFORMATION:  
; APPLICANT: Ballinger, Dennis  
; APPLICANT: Loeb, Debra  
; APPLICANT: Montgomery, Julie  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Zhou, Ping  
; APPLICANT: Goodrich, Ryle  
; APPLICANT: Liu, Chenghua  
; APPLICANT: Asundi, Vinod  
; APPLICANT: Zhao, Qing  
; APPLICANT: Wehrman, Tom  
; APPLICANT: Drmanac, Radoje  
; APPLICANT: Ren, Feiyan  
; APPLICANT: Qian, Xiaohong  
; APPLICANT: Wang, Dunrui  
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO LIPID METABOLISM

; FILE REFERENCE: 28110/35915A  
; CURRENT APPLICATION NUMBER: US/09/835,996A  
; CURRENT FILING DATE: 2001-04-16  
; PRIOR APPLICATION NUMBER: US 60/197,137  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: US 09/714,936  
; PRIOR FILING DATE: 2000-11-17  
; PRIOR APPLICATION NUMBER: US 09/667,298  
; PRIOR FILING DATE: 2000-09-22  
; PRIOR APPLICATION NUMBER: US 09/631,451  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: US 09/598,042  
; PRIOR FILING DATE: 2000-06-20  
; NUMBER OF SEQ ID NOS: 45  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 31  
; LENGTH: 608  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-835-996A-31

Query Match 54.0%; Score 323; DB 10; Length 608;  
Best Local Similarity 56.0%; Pred. No. 7.7e-27;  
Matches 61; Conservative 14; Mismatches 32; Indels 2; Gaps 2;  
  
QY 1 VRLAGRIPEGLLEVOVGVNPGVSCSNWGLTEAMVACRQLGLGFHAYKETWF 60  
Db 272 IRLSGRSQHGREGVEVQGGPPLRWGLICGDDMGTLTEAMVACRQLGLGYANHGLQETWY 331  
  
QY 61 WSGTPRAQEVVMGVCSCGTETALQCCORHG-PVHCSHGGRFLAGVSC 108  
Db 332 WD-SGNITEVMSGVRCCTGTELSLQCCAHGHTHTCKRTGTFTAGVIC 379

## RESULT 11

US-09-835-996A-13  
; Sequence 13, Application US/09835996A  
; Patent No. US20020142953A1  
; GENERAL INFORMATION:  
; APPLICANT: Ballinger, Dennis  
; APPLICANT: Loeb, Debra  
; APPLICANT: Montgomery, Julie  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Zhou, Ping  
; APPLICANT: Goodrich, Ryle  
; APPLICANT: Liu, Chenghua  
; APPLICANT: Asundi, Vinod  
; APPLICANT: Zhao, Qing  
; APPLICANT: Wehrman, Tom  
; APPLICANT: Drmanac, Radoje  
; APPLICANT: Ren, Feiyan  
; APPLICANT: Qian, Xiaohong  
; APPLICANT: Wang, Dunrui  
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO LIPID METABOLISM  
; FILE REFERENCE: 28110/35915A  
; CURRENT APPLICATION NUMBER: US/09/835,996A  
; CURRENT FILING DATE: 2001-04-16  
; PRIOR APPLICATION NUMBER: US 60/197,137  
; PRIOR FILING DATE: 2000-04-14  
; PRIOR APPLICATION NUMBER: US 09/714,936  
; PRIOR FILING DATE: 2000-11-17  
; PRIOR APPLICATION NUMBER: US 09/667,298  
; PRIOR FILING DATE: 2000-09-22  
; PRIOR APPLICATION NUMBER: US 09/631,451  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: US 09/598,042  
; PRIOR FILING DATE: 2000-06-20  
; NUMBER OF SEQ ID NOS: 45  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 13  
; LENGTH: 732  
; TYPE: PRT  
; ORGANISM: Homo sapiens



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RESULT 14
US-09-909-743-2
; Sequence 2, Application US/09909743
; Patent No. US20020151007A1
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran et al.
; TITLE OF INVENTION: METHODS OF USE OF A NOVEL LYSYL OXIDASE-RELATED
; FILE REFERENCE: MNI-073CP
; CURRENT APPLICATION NUMBER: US/09/909,743
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/448,076
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/276,400
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-03-25
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 753
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-909-743-2

Query Match      54.0%; Score 323; DB 10; Length 753;
Best Local Similarity 56.0%; Pred. No. 9.8e-27;
Matches 61; Conservative 14; Mismatches 32; Indels 2; Gaps 2;

QY 1 VRLAGGRIPPEGLLEQVEVNGVPRWGSVCSENWGLTEA-VVACRQLGLGFALHAYKETWF 60
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QY 61 WSGTPRAQEVVMGVRCSGTELALQQCORHGP-VHCSHGGRFLAGVSC 108
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RESULT 15
US-09-835-996A-39
; Sequence 39, Application US/09835996A
; Patent No. US20020142953A1
; GENERAL INFORMATION:
; APPLICANT: Ballinger, Dennis
; APPLICANT: Loeb, Debra
; APPLICANT: Montgomery, Julie
; APPLICANT: Tang, Y. Tom
; APPLICANT: Zhou, Ping
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhao, Qing
; APPLICANT: Wehrman, Tom
; APPLICANT: Dimanac, Radoje
; APPLICANT: Ren, Feiyan
; APPLICANT: Qian, Xiaohong
; APPLICANT: Wang, Dunrui
; TITLE OF INVENTION: MATERIALS AND METHODS RELATING TO LIPID METABOLISM
; FILE REFERENCE: 28110/35915A
; CURRENT APPLICATION NUMBER: US/09/835,996A
; CURRENT FILING DATE: 2001-04-16
; PRIOR APPLICATION NUMBER: US 60/197,137
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: US 09/714,936
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: US 09/667,298
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: US 09/631,451
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 09/598,042
; PRIOR FILING DATE: 2000-06-20
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 39
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; LENGTH: 769
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-835-996A-39

Query Match      54.0%; Score 323; DB 10; Length 769;
Best Local Similarity 56.0%; Pred. No. 1e-26;
Matches 61; Conservative 14; Mismatches 32; Indels 2; Gaps 2;

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Db 436 IRLSGGRSQHEGRVEVOIGGPGPLRWGLICGDDWGTLEA-VVACRQLGLGYANHGLQETWY 495
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QY 61 WSGTPRAQEVVMGVRCSGTELALQQCORHGP-VHCSHGGRFLAGVSC 108
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Db 496 WD-SGNITEVVMGVRCTGTSLDQCAHHGTHITCKRTGTFRFTAGVIC 543
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